

**FDNY**  
**INCIDENT ACTION PLAN**  
**OPERATIONAL PERIOD**  
**TUESDAY**  
**DECEMBER 11, 2001**  
**0700 – 0700**



**OPERATIONAL PERIOD**

Tuesday 12/11/01 0700 hours – Wednesday 12/12/01 0700 hours

**OVERALL INCIDENT OBJECTIVES**

1. Provide for the health, safety, and welfare of all personnel working around the incident.
2. Provide for the recovery and identification of as many remains as possible, and return to next of kin.
3. Coordinate with all involved agencies to support the operational needs of the incident.
4. Document all critical items and significant events.

**OPERATIONAL FACILITIES AND LOCATIONS**

Incident Command Post	100 Duane Street
Operations Post	10/10 Station (Liberty & Greenwich)
West Command	Vesey & West (West & Liberty Sectors)
East Command	Liberty & Church (Church & Vesey Sectors)
FDNY Cache	Quarters of 10 & 10 – open 0800-2000 hrs.
FDNY Parking	West & Warren Streets.
Additional parking at DOT lot (SW corner of West & Warren Streets)	

**OPERATIONAL RESOURCES****FDNY WTC TF**

Recovery Team	75 Officers & Firefighters
Suppression Team	10 Officers & Firefighters
FAST Team	7 SOC Officer & Firefighters
GPS/BFU Team	10 Officers & Firefighters per 24 hour tour

**FDNY/EMS**

11 people per day shift / 11 people per night shift

**WEATHER FORECAST**

**Day:** Mostly cloudy, high 50 degrees, NNE winds 10 - 12 mph, 30% chance of precipitation.

**Night:** Cloudy, low in the lower 40's, NE winds 8 - 10 mph, 0% chance of precipitation.

**Outlook:** Wednesday, partly sunny, high lower 50's, winds 8 mph 40 % chance of precipitation.

**Anemometer Locations:** 11<sup>th</sup> floor of the Verizon Building, 3<sup>rd</sup> floor 10/10 Station, 17<sup>th</sup> floor of 125 Liberty, 10<sup>th</sup> floor of 2 WFC, OEM Command Bus at West & Warren, East Command, and Federal Post Office.

### **ACCOMPLISHMENTS (Past 24 hours)**

1. Burning Station and Soaker Truck Relocation from Greenwich St. to Church St. in front of WTC #5.
2. New perimeter fencing construction on North Side begun.

### **CONTINUING ACTIONS**

1. Application of water to South Tower area and where heat and smoke are escaping in an attempt to extinguish/reduce the heat. Operation continues.
2. Operations continue on debris removal from the North Tower area with intermittent use of handlines to cool debris.
3. Steel cutting @ Bankers Trust (130 Liberty St.), from 11<sup>th</sup> floor down to 8<sup>th</sup> floor continues on a 24-hour basis with a shift change between 1700 – 1900 hours. Handline fire prevention/suppression support from FDNY will be necessary on a floor-by-floor basis. This work continues. Sprinkler & Standpipe systems are OOS.
4. Demolition of 6 WTC continues. Hand line fire prevention/suppression support from FDNY required on Vesey St. on a 24/7 basis.
5. Steel cutting @ 30 West Broadway. Specialized demolition at various floors, including removing a portion of the 8<sup>th</sup> floor slab. Handline for fire prevention/suppression support from FDNY will be necessary.
6. Demolition of 5 WTC continues. FDNY support needed for fire suppression/fire prevention.
7. NYDOL PESH issuing personal monitoring for Pd & FD.
8. West Street Siamese at 3 WFC is OOS. Use Vesey Street Siamese if needed.
9. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 2-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.
10. Glass removal from west façade of Bankers Trust along Washington St. from the 39<sup>th</sup> floor down.

### **PLANNED ACTIONS (Next 24 hours)**

1. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 1-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.
2. Precutting of south bays of 6 WTC in preparation of pull down. FD support required for suppression.
3. Insertion by PA into PATH tube via north projection at 1500. SOC required.

### **ANTICIPATED ACTIONS (48 - 72 hours)**

1. Welding & burning will begin @ 90 Church St. on 12/11/01 & continue until 12/14/01. Work will take place on the B-1 level on the West Broadway side.
2. **Insertion into PATH Mezzanine via Barclay St. ramp for PATH equipment salvage. Rescheduled for week of 12/17/01. SOC required.**

## **SPECIAL INSTRUCTION**

1. **FDNY Sector Chiefs will approve all searches.**
2. **No open flames or warming fires. All fires will be extinguished by the BFU.**
3. Operations Post is requested to fax the name of the Safety Chief for each tour to the Incident Command Post.
4. **PPE requirements are as follows:**  
Red Zone – Helmet, Safety Glasses & Safety Shoes, Coveralls, Long-sleeved Shirts.  
Inner Zone – Helmet, Safety Glasses, Safety Shoes, Respirators, Coveralls & Long-sleeved Shirts. **FD Helmets with reflective tape or FD Bunker coats must be worn when working on the pile to identify as members of the dept.**
5. FDNY personnel parking is located on the south side of Warren St., 250 feet east of West St. Access to the FD parking lot must be made through the West & Chambers Street checkpoint. Members will be issued a site access card at the beginning of their shift. These access cards must be prominently displayed to allow entry onto the site. The tan access cards shall be handed in at the end of the shift. Coveralls and respirators will be available at the FD Warren St. parking lot.
6. GPS is to be used to plot locations of all victims, remains, fire equipment and apparatus. If the GPS is not operational, hand held GPS operators will manually record grid locations using a **grid map dated 09/20 or later.** GPS units are available through the Sector Chiefs, who shall contact the GPS Team via channel 5.
7. When any SCBA or compressed gas cylinders are found, the Sector Chief will contact ICP for Fire Prevention notification. Cages are at East & West Command for temporary storage of cylinders.
8. Enclosures on North and South projections on West Street are locked. The keys will be located with the FDNY Command Post, NYPD Officer at enclosure, and OEM.
9. Prior to any vehicles being removed/towed from buildings, FDNY Operations Chief must determine if a foam handline is needed.
10. A charged handline must be in position prior to any steel cutting operation inside of buildings.
11. Void entries and searches where elevated Freon readings exist (1 & 2 WTC) require O<sub>2</sub> monitoring prior to entry.
12. **All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.**
13. Crane Site Safety and Contingency Plan have been reissued.
14. Remains Recovery Protocol from OCME issued.
15. **All underground insertions/void searches must be coordinated with FDNY SOC Chief on duty and the IC at Duane St. to ensure safety.**
16. **FDNY – WTC SAFETY OFFICER BULLETIN # 1 has been attached.**
17. **Recovery Operations – World Trade Center memo has been issued. A copy has been included in IAP.**
18. **New Procedures for Refueling Gators has been included.**
19. **WTC EPA Winter Sites Map Included.**

## **DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE**

### **ACCOMPLISHMENTS (Past 24 hours)**

1. 125 tiebacks installed in slurry wall south of 2 WTC (Liberty Street)/ 107 tensioned. 2 rigged & 16 grouted. This is ongoing.
2. Pier 6 underwater survey completed.

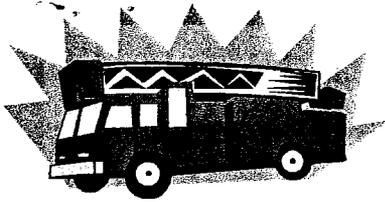
### **PLANNED ACTIONS (Next 24 hours)**

1. Continued debris removal in footprints of 1,2,4,5 & 6 WTC.
2. Dewatering of Sub grade and PATH tunnel via North & South Projections continues.
3. Demolition of 5 & 6 WTC continues.
4. Core drilling & tiebacks continue on Greenwich, Liberty & West Streets.
5. Continue debris removal on 8<sup>th</sup> – 11<sup>th</sup> floor at Bankers Trust. Cutting torch work restarted, FDNY handline for fire prevention/suppression support will be necessary.
6. Demolition work at 3 WFC. Burning on floors 17-26 from 0700-1530 hrs. Burning will also take place on floors 1-10 from 1600 to 2400 hrs. FD support needed fire suppression/fire prevention. Observe exclusion zone.
7. Continue to remove the N/E façade of 1 WTC.

### **ANTICIPATED ACTIONS (48-72 hours)**

1. Core drilling and tiebacks continue on Greenwich, Liberty & West Streets.
2. Dewatering of PATH from No. Projection & Refrigeration Plant from So. Projection.
3. Demolition of the S/E corner of 3 WFC to continue. New exclusion zone as per attached drawing.
4. Debris removal to continue in footprints of 1,2,4,5 & 6 WTC.
5. Debris removal to build new westerly road parallel to Liberty St.
6. Continue demolition of 6 WTC.
7. Continue removal of N/E Façade of 1 WTC.
8. Insertion into PATH Mezzanine via Barclay St. ramp for PATH equipment salvage rescheduled for week of 12/17/01. SOC required.

There is an OEM representative located at the OEM trailer (Murray and West - 212 941-5337) to contact DDC to handle contractor problems. To contact the contractors on site, DDC has a person stationed at 10/10 to assist. OEM is also the contact for OSH



## *Safety Message*

12/11/01



### Major Hazards:

Crane Operations

Falling Glass & Debris

Hazardous Materials

Demolition Operations

Traffic

Lack of PPE

Biological Hazards

Walking and Working Surfaces

Cold Weather

Dust /Airborne Particles

Open Shafts

### ⊕ ***FAST UNIT***

### ***(FIREFIGHTER ASSIST AND SEARCH TEAM)***

- ◆ Know who is in charge of your operation and to whom you report. Find out any important planned actions that may effect the work area.
- ◆ Ensure that all personnel on your team are briefed on the current plan as well as any specific safety concerns that may affect them.
- ◆ If any unplanned changes occur, be sure to inform the members in your team
- ◆ The FAST Unit shall "stand fast," intact as a unit, ready to take immediate action as directed.
- ◆ While standing fast, the FAST Unit shall determine the availability of location of all tools and equipment that might be needed to perform "Distress" duties.
- ◆ Handie talkie messages shall be monitored for any indication of members/workers in distress.

### ⊕ ***Purpose***

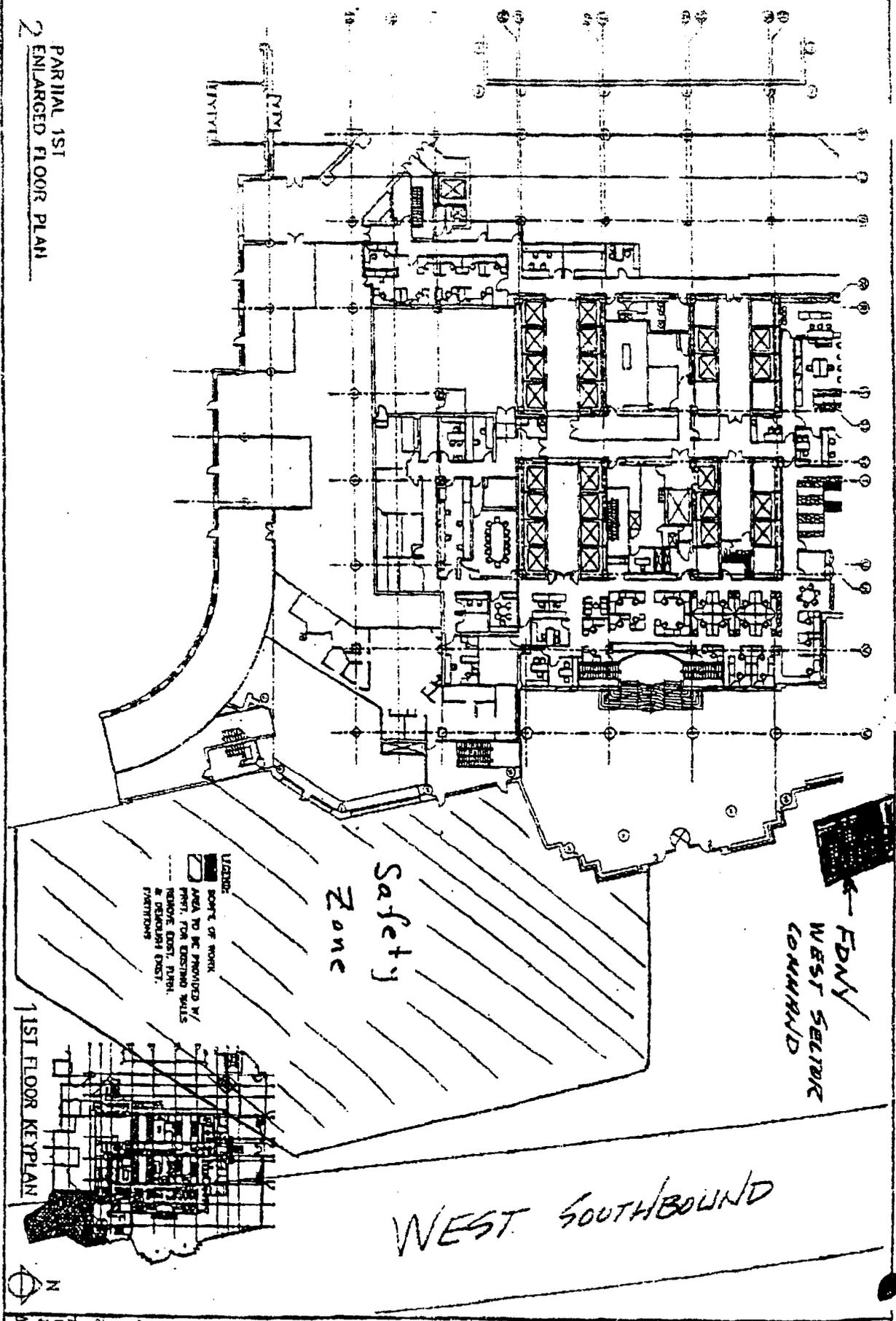
The purpose of the FAST Team is to be immediately available to assist a Firefighter, Rescue Worker or Construction Worker who becomes trapped or is in distress.

As with all workers on the site, be aware of your surroundings. Anticipate dangerous situations and avoid them.

***The FAST Team remains an important element in our ongoing operations.***

4054  
DDC

PARTIAL 1ST  
ENLARGED FLOOR PLAN



LEGEND:  
 [Hatched Area] AREA TO BE PROVIDED W/ PROTECTIVE DECK, RAMP, & DEMOLITION CURT. PARTITIONS  
 [Solid Area] SORTER OF WORK AREA TO BE PROVIDED W/ PROTECTIVE DECK, RAMP, & DEMOLITION CURT. PARTITIONS

Safety Zone

FDNY WEST SECTOR COMMAND

WEST SOUTHBOUND

1ST FLOOR KEYPLAN

Sketch # 1

NO.	1
DATE	11/19/01
BY	01532
CHKD BY	
DATE	

ASK-001

PRELIMINARY

AMEX NYC BLDG ASSESSMENT  
DEMOLITION PLAN  
1ST FLOOR



**MC CLIER**  
 architecture engineering interior  
 401 East 58th Street  
 New York, NY 10022  
 Tel: 212-755-7700

TOTAL = 225

# WTC EPA WINTER SITES



EPA WINTERIZED WASH SITES

WEST & VESSEY  
 WEST BROADWAY / PARK PL  
 FULTON ST / CHURCH / BROADWAY  
 TRINITY & CENTRE  
 ALBANY & WEST

## LEGEND

- 1 1 WTC NORTH TOWER
- 2 2 WTC SOUTH TOWER
- 3 WTC MARRIOTT HOTEL
- 4 4 WTC SE PLAZA BUILDING
- 5 WTC NE PLAZA BUILDING
- 6 WTC CUSTOM HOUSE
- 7 WTC TISIMAN CENTER
- 8 NORTH BRIDGE
- 9 1 LIBERTY PLAZA
- 10 MILLENIUM HOTEL
- 11 EAST RIVER SAVINGS BANK
- 12 FEDERAL BUILDING
- 13 N. Y. TELEPHONE COMPANY
- 14 WFC AMEX & LEHMAN BROS.
- 15 WFC MERRILL LYNCH
- 16 SOUTH BRIDGE
- 17 1 WFC MONY JONES OPPENHEIMER
- 18 ST. NICHOLAS GREEK ORTHODOX CHURCH
- 19 DO WEST ST.
- 20 BANKERS TRUST

